

ABSTRACT OF THE DISCLOSURE

A hydraulic accumulator of the liquid-gas type, comprising a rigid housing (11) defining an internal chamber (11C) and a gas port (30) and a liquid port (19). A gas charging valve (31) is disposed in the gas port (30) to control the admission of high pressure gas. A deformable, semi-permeable separator (35) is disposed within the housing (11) to separate said internal chamber (11C) into a gas chamber (33) in communication with the gas port (30), and a liquid chamber (21) in communication with the liquid port (19). A means (41) is disposed within the liquid chamber (21) for receiving and collecting gas which passes from the gas chamber (33), through the semi-permeable separator (35), and into said liquid chamber (21). Also included is a conduit means (45) having one end (45a) in fluid communication with the gas collecting means (41), and another end (45b) operably associated with the housing (11,27) to communicate gas from the gas collecting means (41) out of said liquid chamber (21).